



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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सं० ८] नई दिल्ली, शनिवार, फरवरी २३, १९८० (फाल्गुन ४, १९०१)

No. 8] NEW DELHI, SATURDAY, FEBRUARY 23, 1980 (PHALGUNA 4, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि इह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड २

#### PART III—SECTION 2

पेटेंट कार्मसिय द्वारा जारी की गई ऐंटेंट्स और डिजाइनों से संबंधित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

##### THE PATENT OFFICE

##### PATENTS AND DESIGNS

Calcutta, the 23rd February 1980

##### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

17th January, 1980

61/Cal/80. Instytut Ciezkiej Syntezy Organicznej "Blachownia". A continuous process for preparation of dian.

62/Cal/80. Texas Alkyls, Inc. Hydrocarbon soluble magnesium compositions of high magnesium content.

63/Cal/80. K. Hayashibara and S. Ashida. Type II interferon and agents thereof.

64/Cal/80. Combustion Engineering, Inc. Mechanism for rotating and reciprocating a soot blower.

65/Cal/80. Hooker Chemicals & Plastics Corp. Electrochemical apparatus and process for manufacturing halates.

66/Cal/80. Dr. J. Thaikattil. Table lamp.

67/Cal/80. Kuhne, Kopp and Kousch A.G. Governing of nozzle groups for a steam turbine.

18th January, 1980

68/Cal/80. Wool Development International Limited. Strand break-out device. (February 6, 1979).

69/Cal/80. A. K. Viljanmaa. Apparatus for hide stretching.

70/Cal/80. Unilever Limited. Improvements in or relating to processes and materials for detecting and determining proteinaceous specific binding agents and materials bindable thereto. (January 18, 1979).

71/Cal/80. H. F. & P.H. F. Reemtsma GMBH & Co. Method and apparatus for sorting out foreign bodies from material on a moving conveyor belt.

72/Cal/80. S. Puri. Baby rocker cum walker.

73/Cal/80. Ajit Kumar Ganguli and Hitendra Nath Chatterjee. Improvements in or relating to machines for feeding coal, saw dust, wood or any solid fuel into industrial, domestic or other furnaces, kilns and small boilers and ash removal of.

19th January, 1980

74/Cal/80. Batcman Equipment Limited. Rotary valve.

75/Cal/80. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Fuel injector for internal combustion engines.

76/Cal/80. Maschinenfabrik Rieter A. G. Fibre sliver opening roller for an open-end spinning device. (January 23, 1979).

77/Cal/80. Hönsch Werke Aktiengesellschaft. Spring supported rails fixing device.

78/Cal/80. Stanadyne, Inc. Fuel injection system snubber valve assembly.

21st January, 1980

79/Cal/80. Hunt & Moscrop (Textile Machinery) Limited. Improvements in a process for the manufacture of compacted textile, paper and paper webs containing man made fibres. (March 8, 1979).

80/Cal/80. Bhuler-Miag GMBH. Feeding device for rice peeling machine or other processing machine for cereals.

81/Cal/80. Rhone-Poulenc Industries. Treatment of impure phosphoric acid.

82/Cal/80. Duphar International Research B.V. Plural injecting device.

83/Cal/80. Shri Banamali Sen. Carbonising furnace for domestic fuel.

84/Cal/80. E. I. DU Pont de Nemours and Company. Field-connected explosive booster for preparing a detonation in connected detonating cord assemblies containing low-energy detonating cord.

85/Cal/80. Krupp-Koppers GMBH. Novel temperature measurement.

86/Cal/80. Sredncaziatsky Nauchno-Issledovatelsky Institut Prirodnoj Gaza. Drilling mud regeneration method.

**APPLICATION FOR PATENTS AT THE  
(DELHI BRANCH)**

17th December, 1979

902/DEL/79. Industrie Pirelli SpA. "Tyre Tread".

903/DEL/79. Task Power and Control Limited. "Improvements in or relating to cylindrical bodies having fixed collars". (January 4th, 1979).

18th December, 1979

904/DEL/79. The Bendix Corporation. "Electrical Connector Assembly having improved anti-decoupling mechanism".

905/DEL/79. P C U K Produits Chimiques Ugine Kuhlmann. "5-Amino-1, 2, 3, 4-Tetrahydroanthraquinone and its preparation".

906/DEL/79. Stamicarbon B.V. "Method for processing a tar containing benzyl benzoate". [Divisional date 4th Jan. 1978].

907/DEL/79. Stamicarbon B.V. "Method for processing a tar containing benzyl benzoate." [Divisional date 4th Jan. 1978].

908/DEL/79. Kusum Kumar Arora. "Improved lipstick container".

19th December, 1979

909/DEL/79. Ashok Kumar & Vijay Kumar. "A Sampling Device".

910/DEL/79. Bayer Aktiengesellschaft. "Process for Halogenating copper phthalocyanine".

911/DEL/79. Bayer Aktiengesellschaft. "Process for the preparation of schiff's bases by the reaction of aromatic amines with ketones".

912/DEL/79. Exxon Research and Engineering Company. "Supported Nickel-Cobalt-Silica Coprecipitated Hydrogenation Catalyst".

913/DEL/79. Rohm GmbH. "Enzymatic bating process for the treatment of hides".

914/DEL/79. Imperial Chemical Industries Limited. "Oxidation process". (December 21st, 1978).

915/DEL/79. Miles Laboratories, Inc. "Test means and method for interference resistant determination of oxidizing substances".

916/DEL/79. Council of Scientific and Industrial Research. "A process relating to sulphation roasting of copper sulphide concentrates".

917/DEL/79. Council of Scientific and Industrial Research. "An improved process for soldering of Aluminium cast components".

918/DEL/79. Council of Scientific and Industrial Research. "An improved process for soldering of cast iron, telephone device for mines".

919/DEL/79. Council of Scientific and Industrial Research. "An improved process for soldering of cast iron, Brass components".

19th December, 1979

920/DEL/79. Council of Scientific and Industrial Research. "An Intrinsically Safe Manual Telephone Exchange for mines".

921/DEL/79. Council of Scientific and Industrial Research. "Process for the production of heat absorbing glass".

922/DEL/79. Council of Scientific and Industrial Research. "A process for the preparation of New yellow to violet azo disperse dyes derived from morpholinonaphthalenes for application to synthetic fibres".

923/DEL/79. Council of Scientific and Industrial Research. "An intrinsically safe emergency telephone device for mines".

20th December, 1979

924/DEL/79. Pont-A-Mousson S.A. "Device for pulling tubular members, in particular for the extraction of centrifugally cast pipes".

925/DEL/79. The Continental Group, Inc. "Power Module Assembly".

926/DEL/79. The Continental Group, Inc. "Power Module Assembly with Monopolar Cells".

927/DEL/79. The Continental Group, Inc. "Power Module with Gas Pressurized Deformable Casting Side Panels".

928/DEL/79. The Continental Group, Inc. "Rib-Grid Cathode".

21st December, 1979

929/DEL/79. Rameshwar Dyal. "Improvements in or relating to special designed P.V.C./NYLON/METALLIC Assembly Fittings 'Bolt & Cylindrical Nut'".

930/DEL/79. Rameshwar Dyal. "Improvement in or relating to special designed P.V.C./Nylon/Metallic Assembly fittings 'Bolt & Socket'".

931/DEL/79. Rameshwar Dyal. "Improvements in or relating to Sewing Machine's Enclosed Almirah Type Cabinet".

932/DEL/79. Southwire Company. "Method for solution heat treatment of 6201 Aluminum alloy".

933/DEL/79. Shell Internationale Research Maatschappij B.V. "Process for the preparation of 3-Phenoxybenzaldehyde". (January 3rd, 1979).

934/DEL/79. Kronos, Inc. "Method of and apparatus for time clock recording and computation and related uses".

935/DEL/79. Societe Chimique Des Charbonnages. "Process of Purification of Phosphogypsum".

936/DEL/79. Societe De Paris Et Du Phenac. "Improvements in or relating to an internal combustion engine starter switch".

**APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)**

14th January, 1980

12/Mas/80 Lucas Industries Ltd., Disc Brakes. (January 18, 1979).

18th January, 1980

13/Mas/80 A. P. Aboobacker. "APEE'S" Automatic Railway Gate,

14/Mas/80. Lucas Industries Ltd. Improvements relating to Twin-Pin Sliding Caliper Disc Brakes. (January 25, 1979).

#### ALTERATION OF DATE

147432. 216/Bom/76. } Post-dated to 5th January, 1977.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 116C. 147410.  
Int. Cl.-BG65g 17/46, 47/22.

#### APPARATUS FOR CONVEYING STEEL CLOSURE FLANGES.

Applicant : AMERICAN FLANGE & MANUFACTURING CO. INC., OF 1100 W. BLANKE STREET, LINDEN, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : LESTER W. DASS.

Application No. 554/Cal/77 filed April 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

In an apparatus for conveying steel closure flanges, said flanges having an upstanding cylindrical neck surrounded by a laterally extending base, a magnetic elevator for moving flanges from a base position to an elevated position, a flange conveyor at said base position, the lower end of said magnetic elevator positioned adjacent said flange conveyor to provide a flange pick-up station, a hopper for holding a bulk supply of closures, dispensing means to selectively feed closures from said hopper onto said conveyor, and magnetic means to retain on said elevator only those flanges having laterally extending bases in contact with said magnetic elevator.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 163D. 147411.  
Int. Cl.-F04c 17/00.

#### IMPROVEMENTS IN ROTARY AIR COMPRESSOR SYSTEM.

Applicant : CHICAGO PNEUMATIC TOOL COMPANY, OF 6 EAST 44TH STREET, NEW YORK, N. Y., UNITED STATES OF AMERICA.

Inventors : DONALD FREDRICK ANDERSON AND HAROLD JEFFREY AL BRIGHT.

Application No. 808/Cal/77 filed May 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A rotary air compressor system comprising a motor driven rotary air compressor, an intake valve through which air is admitted to the compressor, an air receiver connected to the compressor, an oil sump at the bottom of the receiver and an oil conduit connecting the sump to the compressor, characterized in that means are provided for retaining the intake valve in a closed condition immediately following start-up of the compressor, and in that, in its closed condition, the intake valve has means which permit a restricted flow of air to the compressor whereby, at start-up, a partial vacuum is developed in the compressor which reduces the load on the compressor and draws oil from the sump through the oil conduit into the compressor.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 172C & 207.

147412.

Int. Cl.-D01b 1/00.

#### MOWING AND SHEAVES-PICKING MACHINE PARTICULARLY ADAPTED FOR USE IN HARVESTING LONG STEM TEXTILE FIBRE PLANTS SUCH AS KENAF.

Applicant : ADRIANO GARDELLA S.P.A., OF 11 PIAZZA DELLA VITTORIA, GENOA, ITALY.

Inventor : ADRIANO OLBERIO GARDELLA.

Application No. 667/Cal/77 filed May 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A mowing and sheaves-picking machine which is particularly adapted for use in harvesting long stem textile fiber plants such as kenaf (*Hibiscus Cannabinus*), and like plants such as jute, hemp and roselle, characterized by the fact that it comprises a cutting unit provided with counter-rotating discs, mounted in a wheeled frame in front of the inlet of a sheaves-forming magazine, and insertion members which are operatively correlated with the cutting unit effecting the moving of the stems, for guiding and conveying into the said magazine and in an array formation the stems being cut, the said stems standing in a substantially upright position; the said magazine having at least one yielding, and preferably elastically yielding wall; and sheaves-expeller means being associated to said magazine, and adapted for intermittent operation upon a control from a sensor or feeler member, which continuously senses the size of a sheaf being formed in the magazine, and automatically controls the operation of said expeller means, every time that the said sheaf which is being formed has reached a predetermined size, so as to expel or discharge the said sheaf, which can be fed to a decontaminating machine directly associated to the mowing machine for an immediate decontamination of the just cut stems.

Comp. Specn. 28 Pages.

Drg. 12 Sheets.

CLASS 195D.

147413.

Int. Cl.-F16k 51/00, G01b 7/02.

#### FLUID CONTROL VALVES.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B19 2XF, WEST MIDLANDS, ENGLAND.

Inventors : RONALD FREDERICK SHERATON AND BRIAN WILLIAM TUBMER.

Application No. 1301/Cal/77 filed August 20, 1977.

Convention date June 22, 1977/(26010/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A fluid control valve comprising a valve body being provided with a bore, a fluid pressure actuated valve member slidably supported in the body being slidably within the bore,

a seating defined in the body, said valve member being shaped to co-operate with the seating to prevent flow of fluid through the valve, resilient means acting to urge the valve member into contact with the seating, said valve member in use, being urged against the action of the resilient means by fluid under pressure to permit flow of fluid through the valve, electrically insulated terminal means on said body, means within the body connecting said terminal means to the valve member, and the valve member being electrically insulated from the body except through the seating whereby the electrical resistance between the valve member and the body can be monitored whilst the valve is in use thereby to provide an indication of when the valve member is lifted from or moves into contact with the seating.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS 27 L.

147414.

IC. E04C 5/00.

**"REINFORCED STONE CASTING AND A METHOD OF MANUFACTURING THE SAME".**

*Applicants and Inventors* : (i) PEEYUSH NIDHI SARMA, (ii) DIVYA NIDHI SARMA, (iii) SUDHA SARMA, OR. NO. 2, STREET 16, SECTOR 9, BHILAI 1, MADHYA PRADESH.

Application No. 100/Bom/1976 filed on 25-03-1976.

Complete after Provisional Specification left on 18th June, 1977.

Appropriate office for opposition proceedings (Rule 4, The Patents Rules, 1972) Patent Office, Bombay Branch.

21 Claims.

The reinforced stone casting comprising a rock or stone melt as herein defined of any size or shape embedded therein into a reinforcing material comprising of an aggregate core as herein described and a metal reinforcement or either of them.

(Complete specification 13 pages, Provisional Specification 6 Pages).

CLASS 123 147415. Int. Cl. C05f 11/00

**A METHOD OF PREPARATION OF A FERTILISER.**

*Applicant & Inventor* : CHIRANJILALJI HARIPRASAD OF "GANGA", 90, MOWBRAYS ROAD, MADRAS-600018, TAMIL NADU.

Application No. 54/MAS/77 filed March 10, 1977.

Complete Specification left June 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims. No drawings.

A method of preparation of a fertiliser comprising the burning of wood belonging to the genus camarixa/casuarina, such as herein described, so as to obtain (by known means) soot and ash therefrom; mixing the soot and ash so obtained together and subsequently moistening the mixture with water.

(Prov.—3 pages; Co.—4 pages)

CLASS 129 P & G 147416. Int. Cl. B23b 29/00.

**MULTIPURPOSE CUTTING TOOL ASSEMBLY.**

*Applicant & Inventor* : NAND KUMAR, 3, TECHNO-CRAT INDUSTRIAL ESTATE, BAI ANAGAR, HYDERABAD-500037, ANDHRA PRADESH.

Application No. 94/Mas/77 filed May 25, 1977.

Complete Specification left August 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims.

A multipurpose cutting tool assembly comprising a cutting tool holder and a cutting insert, the said tool holder having a shank, one end of which is adapted to be fitted in a machine and the other end is provided with a clamping device for

clamping the insert, the said cutting insert having identical profile at both ends thereof depending upon the nature of the operation for which it is required, the cutting portions of the cutter having a top angle of predetermined value, means provided at the said other end of the shank for holding the said insert and to be clamped by the said clamping device, the said means comprising a recess or pocket the base of which is inclined in a direction opposite to the top angle of the cutting insert, the said cutting insert also being provided with recess on the top and bottom sides thereof for being located in the recess or pocket on the tool holder, and to be held in position by the clamping device, and wherein the said clamping device is provided with means such as an extension, disposed on the cutting tool holder.

(Prov.—4 pages; Com.—10 pages; Drwgs.—5 sheets)

(including one sheet of size 33.00 cms. x 41.00 cms.)

(including one sheet of size 33.00 cms. x 41.00 cms.)

CLASS 28A & 28C 147417. Int. Cl. F23d 5/12.

**A KEROSENE STOVE.**

*Applicant* : INDIAN INSTITUTE OF SCIENCE, BANGAORE-560012, KARNATAKA.

*Inventor* : BALISAGAR KRISHNASWAMY SUBBA RAO.

Application No. 107/Mas/77 filed June 17, 1977.

Complete Specification left May 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims.

A kerosene stove comprising a tank for storage of kerosene, a burner assembly consisting of a burner vapour tube disposed above a burner ring, said burner tube connected to said tank through a regulating flow valve, said burner ring having a plurality of holes, and two annular concentric flame holders having an annular space therebetween provided above said burner ring such that the flame established at the surface of said burner ring is directed to said space between said flame holders.

(Prov.—5 pages; Com.—10 pages; Drwgs.—3 sheets).

CLASS 1A 147418. Int. Cl. C08h 5/04.

**A PROCESS FOR PREPARING AN IMPROVED ADHESIVE SUBSTANCE.**

*Applicant* : KONTIKI CHEMICALS AND PHARMACEUTICALS (PVT.) LTD., OF A.K. OFFICE BUILDING, MULJI ROAD, BALIAPATAM, CANNANORE-670010, KERALA STATE.

*Inventor* : DR. CHATHANATH CHAITANYA MENON.

Application No. 168/Mas/77 filed October 15, 1977.

Complete Specification left March 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims. No drawings.

A process for preparing an improved adhesive substance comprising admixing liquid phenol-formaldehyde resin with coal derivatives prepared according to the process claimed in application No. 167/MAS/77 with or without extenders/fillers/surface active agents.

(Prov.—6 pages; Com.—12 pages)

CLASS 199 147419. Int. Cl. G05d 9/12.

**A FLUID LEVEL LIMITER OR SENSOR.**

*Applicant & Inventor* : ARULANDASAMY JOSEPH STEPHEN, NO. 20, M.H.S. ROAD, GANAPATHIPURAM, EAST TAMBARAM, MADRAS-600059, TAMIL NADU.

Application No. 70/Mas/78 filed June 2, 1978.

Complete Specification left June 2, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 5 Claims.

A fluid level limiter or sensor for limiting or sensing the level of fluid in a tank comprising at least one float-member consisting of at least one float-body attached to at least one float-arm, the float-body for being disposed afloat in the fluid and the float-arm for being pivotably attached to a supporting structure erected inside or outside the tank; a make-and-break electrical circuit housed within the float-body or the float-arm or attached to the exterior of the float-body or the float-arm, the said circuit being closed or opened by actuating means whenever the float-body or float-arm alters its position within defined limits, consequent to a change in level of the said fluid.

(Prov.—4 pages; Com.—9 pages; Drwg.—1 sheet)

CLASS 199.

147420.

Int. Cl.-C01f 23/06.

## A FLUID LEVEL INDICATOR.

*Applicant & Inventor* : SHUNMUGAM MURUGAVEL SHUNMUGAVEL, 44, G.A. ROAD, MADRAS-600 021, TAMIL NADU.

Application No. 71/Mas/78 filed June 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims.

A fluid level indicator comprising a float for being disposed in the fluid whose level is to be indicated; a guide member and an actuating member respectively in slidably engagement with the float, the guide member being either in turnable or non-turnable relationship with the float while the float is in non-turnable or turnable relationship with the actuating member; and a pointer mounted on a spindle over a graduated dial, the spindle being connected to the actuating member whereby whenever there is a rise or fall in fluid level, the float is constrained to ascend or descend and simultaneously constrain the actuating member to turn correspondingly and thus move the spindle and pointer in the appropriate direction to indicate the fluid level on the dial.

(Com.-10 pages; Drwgs.-1 sheet).

CLASS 32F<sub>2</sub>b.

147421.

Int. Cl.-E02 b 3/04.

## A SELF-ACTING EROSION ARRESTER.

*Applicant & Inventor* : KUNJIPALU ITTYRAH PUTHENANGADI, "HOPE DALE", PALLIMUKKU, COCHIN 16, KERALA.

Application No. 116/Mas/78 filed August 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 6 Claims.

A self-acting erosion arrester comprising a plurality of piles driven into the soil along the length of the erosion site; a wall resting on the soil along the length of the erosion site, the wall being disposed between the piles and the eroding influence; and a plurality of connecting members bonded to the wall and forming a slidably fit around the piles, the arrangement being such that the wall is enabled by the connecting members to gradually descend downwardly, as the soil at its base gets eroded, thus arresting erosion by preventing the eroding influence from extending beyond the wall.

(Com.-9 pages; Drwgs.-1 sheet).

CLASS 32F<sub>2</sub>b

147422.

Int. Cl.-C07d 57/00.

## PROCESS FOR THE PRODUCTION OF PHARMACOLOGICALLY ACTIVE NEW NITROIMIDAZOLES.

*Applicant* : CIBA GEIGY OF INDIA LIMITED, AARHY ROAD, GOREGAON EAST, BOMBAY-400 063.

*Inventor* : VISHWA PRAKASH ARYA AND KUPPUSWAMY NAGARAJAN.

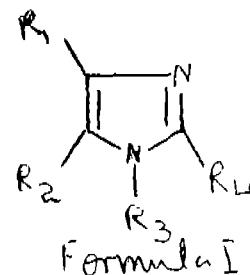
Application No. 122/Bom/77 filed March, 25, 1977.

Complete specification left June 20, 1978.

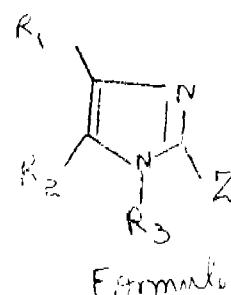
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 3 Claims.

Process for the production of pharmacologically active new nitroimidazoles of the formula I shown in the drawing accompanying the provisional specification.



wherein one of the group R<sub>1</sub> and R<sub>2</sub> is a hydrogen or lower alkyl and the other a nitro group, R<sub>3</sub> is a lower alkyl, hydroxyloxyalkyl, loweralkyloxylalkyl, loweralkylsulphonylalkyl or amino loweralkyl and R<sub>4</sub> is a 5-membered monocyclic heteroaromatic ring optionally substituted by substituents such as herein described and containing at least one hetero nitrogen atom to which the imidazole ring is attached and their acid addition salts which comprises reacting in a known manner as described herein a compound of formula II, shown in the drawings accompanying the provisional specification.



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> have the meanings given above and Z is a reactive etherified hydroxy group as herein described, a free or etherified mercapto group as herein described, an ammonium group as herein described, a sulphonyl group as herein described or a sulphonyl group as herein described with a compound of the formula R<sub>4</sub>HL, where R<sub>4</sub> has the meanings given above and if desired, converting the resulting products into their acid addition salts in a known manner such as herein described.

Prov. Specn. 31 pages. Prov. Drg. 3 Sheets. Comp. Specn. 34 Pages.

CLASS : 56G.

Int. Cl.-B01d 3/00.

147423.

C02b 1/00.

A THERMOCOMPRESSION WATER DISTILLATION APPARATUS APPLICANTS : NAT STEEL EQUIPMENT PRIVATE LIMITED.

G.D. AMBEKAR MARG (NAIGAUM ROAD), DADAR, BOMBAY-400 014, MAHARASHTRA, INDIA.

*Inventor* : DARAYUS BHATHENA.

Application No. 251/Bom/77 FILED ON AUGUST 18, 1977.

COMPLETE SPECIFICATION LEFT ON AUGUST 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

17 Claims.

A thermocompression water distillation apparatus comprising a distillation column having a bottom cover provided with a drain pipe and a feed water inlet, a preheater mounted on the bottom cover and having a distillate outlet and containing a tube grid, a heating chamber mounted on the preheater and provided with heating means, an evaporator mounted on the heating chamber and containing a tube grid, a condensate pipe for connecting the evaporator and the preheater externally, a steam chest mounted on the evaporator and having a baffle, and a top cover mounted on the steam chest; temperature raising means one end whereof is connected to the top cover through a steam inlet and the other end whereof is connected to the evaporator through a steam outlet; a bypass valve connected across the steam inlet and the steam outlet through a bypass line; automatic feeder means for controlling flow of feed water; and a control panel of the kind described.

(Provisional specification-5 pages Drawing 1 sheet).

Complete specification -10 pages Drawing 1 sheet).

CLASS : 55F. 147424.  
I.C. A61 K 27/00.

"PROCESS OF MAKING A SPERMATOZOA CONTROLLING PILL".

*Applicant & Inventor* : PRITAM LAL RAJAK 322, UP-RENGANJ, DIXITPUR, JABALPUR-2.

Application No. 78/BOM/1978 filed on 16-3-1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

1. A process of making the spermatozoa controlling pill "Kalyani" for birth control and family planning comprising mixing 0.0080 to 0.0085 gm of powdered manthol with 0.0001 to 0.004 gm of powdered Tragacanth gum of egg-yolk or both forming the said mixture to a pill and coating the said pill with a thin and soluble layer of 0.005 to 0.01 gm of the latter material(s) so that it may dissolve in water within 30 to 40 seconds at the maximum at a temperature of from 25-35°C, but not in Petroleum jelly.

(Complete specification 13 pages, drawings sheet-2).

CLASS 127A and 15B. 147425.  
Int. Cl.-16d- 15/00.

CLUTCH RELEASE BEARING ASSEMBLY.

*Applicant* : AUTOMOTIVE PRODUCTS LIMITED, A BRITISH COMPANY, OF TECHBROOK ROAD, LEAMINGTON SPA, WARWICKSHIRE CV 31 3ER, ENGLAND.

*Inventor* : DAVID ROGER ARROWSMITH, A BRITISH SUBJECT 50 VILLIENS SHEET, LEAMINGTON SPA, WARWICKSHIRE, ENGLAND.

Application No. 623/DEL78 filed on 22nd August, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi.

3 Claims.

1 Claim.

A clutch release assembly for a diaphragm spring clutch, the assembly comprising a diaphragm spring having radial fingers co-axially supporting and locating a guide ring, a non-rotatable axially movable release member and a rolling element bearing having a rotary race arranged to apply an axial release load to the diaphragm spring and a non-rotatable race mounted on the release member with freedom for radial adjustment to allow axial alignment between the bearing and the diaphragm spring, and the rotatable race and guide ring having guide surfaces which cooperate to provide a tapered lead-in whereby the release bearing is axially aligned with

the diaphragm spring as the rotary race is brought into engagement with the guide ring by operation of the release member.

(Complete 10 pages and Drawing 1 sheet).

CLASS 173B.

147426.

Int. Cl.-B05c. 3/103, B05c 5/02, 3/20.

APPARATUS FOR EVENLY APPLYING LIQUID TO A SURFACE.

*Applicant* : MIFFS LABORATORIES, INC., AT 1127 MYRTLE STREET, ELKHART, INDIANA, UNITED STATES OF AMERICA.

*Inventor* : LEIGHTON CLIFFORD JOHNSON.

Application No. 1228/Cal/77 filed August 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for applying liquid to a generally flat surface of a microscopic slide at liquid-applying stations located along a predetermined path, which apparatus comprises a track adapted for support of said microscope slide with its flat surface disposed substantially parallel to the plane of the track, a conveyor for advancing said microscope slide along said track from the liquid applying station to another, a platen positioned in said track and having a generally flat surface disposed parallel to but spaced slightly from the flat surface of said microscope slide as it is advance along said track over said platen, containers for supplying a predetermined quantity of treating liquid onto said generally flat surface of the platen at a liquid applying station so as to fill the space between said flat surface of the platen and the flat surface of the microscope slide when the microscope slide is disposed over the liquid-applying station, said apparatus characterized by cams switch contacts time switch and control motor for interrupting the advance of said microscope slide along said track while the slide is in position over the liquid-applying station and resuming the advance of the slide along said track after a predetermined period of time following application of liquid to the slide.

Compl. Specn. 22 Pages. Drgs. 2 Sheets.

CLASS 32E & 40F.

147427.

Int. Cl.-C08f 1/98.

IMPROVED METHOD FOR THE POLYMERIZATION OF VINYL MONOMERS.

*Applicant* : SHIN-FTSU CHEMICAL CO. LTD., OF 6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

*Inventors* : SHUNICHI KOYANAGI, NIICHIRO HASEGAWA, TOSHIHIDE SHIMIZU, SENSAKU KATUSIMA AND ICHIRO KANEKO.

Application No. 88/Cal/78 filed January 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A method for the polymerization of a vinyl monomer of a mixture of vinyl monomers, characterized by the improvement that it is conducted in a polymerization reactor having its surface coated with a layer obtained by coating with an aqueous coating solution containing a compound selected from the group consisting of :

(a) Alkali metal salt or an ammonium salt of water-soluble anionic dyes of the sulfonic acid form or carboxylic acid form as herein described which aqueous coating solution has a pH value not to exceed 7 and may contain additionally at least one compound selected from the group consisting of :

(b) water-soluble cationic dyes having at least one pair of conjugated double bonds and at least one nitrogen atom in a molecule, and

(c) silicic acids, silicate compounds and water-soluble salts of metals other than alkali metals.

Comp. Specn. 75 Pages. Drgs. Nil.

CLASS 32F<sub>1</sub> & 55D<sub>5</sub>  
Int. Cl.-A01n 9/30.

147428.

## A PROCESS FOR THE SELECTIVE CHLORINATION OF SIDE CHAIN IN AROMATIC COMPOUNDS.

*Applicant* : UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700 016, WEST BENGAL, INDIA.*Inventors* : DR. DEBABRATA CHOUDHURY AND KAILASHI CHANDRA SAH.

Application No. 677/Cal/78 filed June 20, 1978.

Complete Specification left March 7, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

Process for chlorination of aliphatic side chain in toluene and ring chlorinated chlorotoluenes comprising reacting toluene or ring chlorinated chlorotoluene with chlorine in the presence of azobisisobutyronitrile at a temperature from 65° to 95°C, preferably from 80° to 90°C.

Comp. Specn. 14 Pages. Drgs. Nil.

CLASS 32F<sub>a</sub>.

147429.

Int. Cl.-C07c 47/00.

## IMPROVED HYDROFORMYLATION PROCESS.

*Applicant* : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.*Inventors* : DAVID ROBERT BRYANT, FRNST BILLIG.

Application No. 95/Cal/78 filed January 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

33 Claims.

In a process for hydroformylating an alpha-olefin to produce aldehydes having one more carbon atom than the alpha-olefin by reacting the alpha-olefin with hydrogen and carbon monoxide in the presence of a rhodium complex catalyst consisting essentially of rhodium complexed with carbon monoxide and a triarylphosphine, and in the presence of free triarylphosphine, the improvement comprising operating said process at a temperature of from about 90 to about 130°C, a partial pressure of carbon monoxide of less than about 55 pounds per square inch absolute, a partial pressure of hydrogen of less than about 200 pounds per square inch absolute, a total gas pressure of hydrogen, carbon monoxide and alpha-olefin of less than about 400 pounds per square inch absolute, and at least about 100 moles of free triarylphosphine per mole of catalytically-active rhodium metal; and

minimizing or substantially preventing deactivation of said rhodium complex catalyst to a maximum determined rate of loss of activity by controlling and correlating the carbon monoxynepartial pressure, the temperature and the free triarylphosphine : catalytically-active rhodium metal mole ratio within said values to provide the minimum stability factor F necessary to give essentially the minimum rate of loss of activity according to Figure 1 of the accompanying drawings; said stability factor F being defined by the equation :

$$F = \frac{1000}{1 + cY}$$

where  $y = K_1 + K_2T + K_3P + K_4(L/Rh)$ .

Where T = the reaction temperature (°C),

P = the carbon monoxide partial pressure (psia),

(L/Rh) = the free triarylphosphine : catalytically-active rhodium metal mole ratio, and

K<sub>1</sub>, K<sub>2</sub>, K<sub>3</sub> and K<sub>4</sub> are constants and are fixed for each triarylphosphine.

Comp. Specn. 45 pages. Drg. 3 Sheets.

CLASS 32F<sub>2b</sub> & 40A<sub>3</sub>  
Int. Cl.-C07d 31/08, 31/20

147430.

## A PROCESS FOR THE PRODUCTION OF 3-METHYL PYRIDINE.

*Applicant* : DEUTSCHE GOLD-UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, OF 9, WEISSFRAUENSTRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.*Inventors* : HILMUT BESCHKE AND DR. HEINZ FRIEDRICH.

Application No. 74/Cal 78 filed January 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

A process for catalytically reacting acrolein and propionaldehyde with ammonia in the gas phase to produce 3-methyl pyridine and pyridine simultaneously characterized by the improvement that for obtaining predominantly 3-methyl pyridine in an yield of at least 11% of 3-methyl pyridine more than possible in the known art and with lesser amounts of pyridine than possible in the known art, the said process is carried out in a fluidised bed of a catalyst wherein the catalysts used are aluminium silicates which contain from 3 to 30% by weight of aluminium oxide, have a surface of from 200 to 800 m<sup>2</sup>/g based on B.F.T. method (Brunauer, Emmet and Teller) a pore volume of from 0.4 to 1.0 cm<sup>3</sup>/g and a pore diameter of from 20 to 100.10<sup>-4</sup> cm. and wherein the aldehydes which comprises a mixture of acrolein and propionaldehyde, are introduced into the fluidised bed separately from the ammonia.

Comp. Specn. 8 Pages. Drgs. Nil.

CLASS 56C.

147431.

Int. Cl.-B01d 9/00.

## APPARATUS FOR CRYSTAL GROWTH.

*Applicant* : MOBIL TYCO SOLAR ENERGY CORPORATION, AT 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS USA.*Inventors* : BRIAN HOLMES MACKINTOSH AND DAVID NORLIN JEWETT.

Application No. 651/Cal/77 filed April 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

Apparatus for growing a crystal from a melt comprising : a furnace having (1) a chamber with an aperture leading to the interior of said chamber, (2) means for supporting in said chamber a crucible containing a melt from which a crystal is to be grown so that the melt in the crucible will be in line with the aperture, and (3) means for heating a crucible supported within said chamber by said supporting means; and at least one cartridge which is arranged to be moved into and out of said furnace through said aperture, said cartridge being a unitary assembly comprising (1) a capillary die-adapted to be used to provide a growth pool of melt from which a crystal can be pulled, (2) solid vertically elongate heat-conducting means disposed above said die and arranged so as to extend around and control the thermal gradient lengthwise in a crystal which is pulled from said growth pool of melt and (3) means holding said heat-conducting means in a fixed relation to said die; and a pulling mechanism for pulling a crystal from said growth pool of melt past said heat-conducting means and out of said furnace via said aperture.

Comp. Specn. 28 Pages. Drg. 6 Sheets.

CLASS 107G+J.

147432.

I.C.-F0 2 b 77/08.

## A SAFETY DEVICE FOR DIESEL ENGINES.

*Applicant & Inventor* : KARSAN RAMJIBHAI DHOLARIA VIA : GOMTA POST : NAVAGAM LILAKHA TALUKA : GONDAL RAJKOT.

Application No. 216/Bom/76 filed on 5th January 1977 post-dated to 5th January, 1977.

Complete Specification left April 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

3 Claims.

1. A device for cutting off fuel supply to a diesel engine on the engine getting unloaded comprising a main body fitted to fuel pump of the engine with the help of a hexo bolt, fuel supply line leading from fuel tank, a ball valve at outlet of said fuel supply line, said valve resting on inner end of plunger reciprocating in a plunger shell, an outlet from said shell leading to inlet of the fuel pump, a first lever fulcrumed on a projection at lower central portion on said main body with its one end connected to said plunger and the other end resting on one limb of a Z-shaped lever or pendulum said Z-shaped lever being fulcrumed from another projection on said main body said second projection being on upper part of said body and at right angles to said first projection; the arm of said first lever end of which rests on one limb of said Z-shaped lever being loaded by a dead weight or by a spring mounted on said main body, other limb of the Z-shaped lever being located so as to be opposite a push rod fixed to link rod of governor of the engine, arrangement being such that when the first lever rests on the Z-shaped lever, the ball valve at the inner end of the plunger is clear of the outlet of the fuel supply line and the fuel flows freely to the fuel pump and when the engine gets unloaded the link rod of the governor trips and the push rod connected thereto pushes the limb of the Z-shaped lever which is opposite to said rod, causing the Z-shaped lever to pivot on its fulcrum whereby the other limb of the Z-shaped lever is pushed away from the arm of the first lever which latter rests on the former so that under the dead weight or spring pressure from the spring loading it, said arm of the first lever is pressed and the other arm of the first lever which is connected to the plunger is pushed along with the plunger and the ball valve resting at the inner end of the plunger with the result that the ball valve blocks the outlet in the fuel supply line thereby cutting off fuel supply to the fuel pump.

Provisional Specn. 4 pages and drawing 1 sheet.

Complete Specn. 8 pages and drawing 3 sheets.

CLASS 126 A.  
Int. Cl.-G01 17/00.

147433.

A DEVICE ADAPTED TO MEASURE THE PRESSURE OF FLUIDS.

Applicants & Inventors :

1. MR. PHOOL CHAND SAXENA.
2. MR. KANTILAL JAVERCHAND RATHOD.
3. MISS NAINDEE BALWANT GHATIKAR,  
CENTRAL WATER AND POWER RESEARCH  
STATION P.O. KHADAKWASLA RESEARCH  
STATION POONA-24.

Application No. 93/Rom/77 Filed on 5-3-77.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims.

1. A device for measuring the pressure of fluids comprising a housing, a diaphragm held to one end of said housing by known clamping means for holding the diaphragm to said housing, connecting leads extending from the opposite end of said diaphragm, strain gauges provided on said diaphragm to form a bent stone bridge, said strain gauges consisting of resistances and adapted to be connected to a power source.

Complete specification 6 pages, drawing sheet 1.

CLASS 10B.

Int. Cl.-F42c 19/06.

147434.

A METHOD OF MANUFACTURING LEAD WIRE OF ELECTRIC DETONATORS AND A LEAD WIRE SO MANUFACTURED

Applicant : IDL CHEMICALS LTD., SANATNAGAR (I.E.) P.O. HYDERABAD-500 018, ANDHRA PRADESH.

Inventors : DR. COOMLY PUTTASASTRY RAMASWAMY AND DR. ARSHAD AHMED AND ABBURI SHANKAR RAO AND NIMAI CHAND RAY.

Application No. 157/Mas/77 filed September 27, 1977.

Complete Specification left September 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims. No drawing.

A method of manufacture of lead wire of electric detonators comprising the manufacture of steel wire of the desired specification in the known way, characterised by providing a zinc coating on the wire and subsequently one or more abrasion resistant dielectric coatings thereon, the bare ends of the wire intended for electrical connection being dipped in a very dilute solution of potassium chromate so as to allow a very thin coat of zinc chromate thereon.

(Prov. 6 pages; Comp. 8 pages).

CLASS 61A & 61B.

Int. Cl.-F26b 19/00.

147435.

A DRIER.

Applicant & Inventor : SRINIVASAGAM PILLAI RAMASAMY, 24/2, ACHARAPPAN STREET, MADRAS-600 001, TAMIL NADU.

Application No. 201/MAS/77 filed December 30, 1977.

Complete Specification left March 13, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A drier comprising an air chamber provided with means for pumping air thereinto; means provided for the air chamber for heating the air therein; a drier chamber connected to the air chamber, said drier chamber being provided with an inlet and an outlet for feeding the substance to be dried thereinto and for discharging the dried substance therefrom; a perforated tubing, within the drier chamber, communicating with the air chamber, for enabling air of the desired temperature and pressure from the air chamber to enter the drier chamber through the perforations in the tubing and thus occupy interstices between particles of the said substance so as to bring about intimate contact, under pressure, between the said particles and the hot air and thus dry the said substance.

(Prov. 7 pages; Comp. 11 pages; Drwg. 1 sheet).

CLASS 105C & 146B.

Int. Cl.-H01j 25/76.

147436.

DEVICE FOR MULTIPLYING NUMBERS IN COMPLEMENT REPRESENTATION

Applicant & Inventor : VALERY FEDOROVICH GUSEV, ULITSA KARBYSHVA, 13-A KV. 35, KAZAN, USSR. (2) GENNADY NIKOLAEVICH IVANOV, ULITSA DE-KARBRISTOV, 184-A, KV. 22, KAZAN, USSR (3) VLADIMIR YAKOVLEVICH KONTAROV, PLOSHAD JUNOSTI, 4, KV. 3, MOSCOW, USSR. (4) GENRIKH ISAEVICH KRENGEL, ULITSA IBRAGIMOVA, 45, KV. 49, KAZAN, USSR. (5) MANSUR ZAKIROVICH SHAGIVALIEV, ULITSA KARBYSHVA, 17, KV. 75, KAZAN, USSR. (6) VYACHESLAV YAKOVLEVICH KREMLEV, BEREZO-VAYA ALLEYA, KORPUS 423, KV. 81, MOSCOW, USSR. (7) IURY IVANOVICH SCHETININ, 103536, KORPUS 502 KV. 106 MOSCOW, USSR AND (8) AZAT USMANOVICH YARMUKHAMEDOV, ULITSA ADELYA KUTUYA, 12 KV. 23, KAZAN, USSR.

Application No. 1026/Cal/77 filed July 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A device for multiplying numbers in complement representation, characterised in that, the interconnections for the multiplication of numbers presented in complementary code, comprising a multiplicand storage register connected to an input

of an arithmetic unit whose other input is connected to the output of a shift register whose information input is connected to the information output of the arithmetic unit, one control input of the shift register being connected to a control unit, whereas the output of the shift register is connected to the information input of a multiplier storage register whose control input is connected to the control unit, whereas its outputs are connected to a register for storing a predetermined number of multiplier digits and to a group of logical NAND elements whose outputs are connected to the information inputs of another register for storing a predetermined number of multiplier digits, the control inputs and information outputs of both registers for storing a predetermined number of multiplier digits being connected to the control unit, whereto there is connected the input of a counter whose output is connected to the control inputs of the group of logical NAND elements and to the second register for storing a predetermined number of multiplier digits, the control unit being connected to the arithmetic unit connected to a carry-over register connected to the information input of a logical NAND element whose control input is connected to the control output of the arithmetic unit, while its output is connected to another control input of the shift register.

Comp. Specn. 8 pages. Drg. 1 Sheet.

CLASS 136F. 147437  
Int. Cl.-B29c 3/02, 3/04.

METHOD OF MANUFACTURING OBJECTS WHICH PARTLY OR COMPLETELY CONSIST OF A FOAMED THERMOPLASTIC MATERIAL, OBJECTS MANUFACTURED IN ACCORDANCE WITH SAID METHOD, AND APPARATUS FOR CARRYING OUT THE METHOD.

Applicant : N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT EMMASINGEL, EINDHOVEN, NETHERLANDS.

Inventors : GERARD JOHAN SCHOLTEN AND JOHANNES BRANDSMA.

Application No. 42/Cal/78 filed January 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Method of manufacturing object which completely or partly consist of a foamed thermoplastic material, a mixture or a foamable thermoplastic material and a foaming agent in a mixing and compression device being brought at a temperature and pressure at which the mixture is liquid, after which the mixture is subsequently brought into a mould via a discharge opening and a feed opening, in which mould a lower pressure prevails and whose cavity has a shape in conformity with that of the object to be manufactured, characterized in that the discharge opening is made to communicate directly with one or more feed openings of the mould which are disposed in the same plane and at least after filling, the mould and the discharge opening are moved relative to each other parallel to the plane in which the discharge opening is situated, the mould viewed in the direction of movement, being provided with surfaces before and after the feed openings, which surfaces when the mould is moved are passed along the discharge opening so that the material flow is cut off, the mould being followed by at least one further member which, adjoining the mould, is slid past the discharge opening so as to shut off said opening.

Comp. Specification 25 Pages. Drg. 5 Sheets.

CLASS 86A. 147438.  
Int. Cl.-A47b 43/00.

A CABLE DISTRIBUTION CABINET.

Applicant & Inventor : MANORANJAN MUKHERJEE, 94, BABU RAM GHOSH ROAD, CALCUTTA-700 040, WEST BENGAL, INDIA.

Application No. 359/Cal/78 filed April 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A cable distribution cabinet comprising a frame fabricated from a sheet material constituting of side panels, rear panels

and partial front panels, a double door front cover hingedly connected on either side of the said partial front panels characterised in that in said partial front panels and at their edges thereof there are formed channels with a groove therein in such that in the closed status of the said cabinet the front door covers flush closes with the frame of the cabinet.

Comp. Specn. 14 Pages. Drg. 1 Sheet.

CLASS 205H. 147439.  
Int. Cl.-B60c 15/00.

#### IMPROVEMENTS IN OR RELATING TO TYRES.

Applicant : INDUSTRIE PIRELLI SPA, OF CENTRO PIRELLI, PIAZZA DUCA D'AOSTA NO. 3, 20100 MILAN, ITALY.

Inventor : LUIGI MAIOCCHI.

Application No. 429/Del/77 filed December 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

14 Claims.

A tubeless tyre suitable for fitting on to a one-piece wheel rim of the drop-centre type, the tyre having a tread, two side walls and two beads each having a bead core, the bead cores each having a cross-section which is a polygon disymmetrical with respect to a straight line parallel with the base of the bead core.

Comp. Specn. 17 Pages. Drg. 2 Sheets.

#### OPPOSITION PROCEEDINGS

(1)

The application for patent No. 123628 made by Santosh Products in respect of which an opposition was entered by Parag Mechanical Industries, has been treated as withdrawn.

(2)

An opposition has been entered by Consumers Plastics Private Limited to the grant of a patent on application No. 146738 made by Jayantilal Ambala Gajjar.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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#### PATENTS SEALED

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## AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Ralph Reeves-Saunders, a British subject of 175 Parkside Avenue, Rexleyheath, Kent DA7 6NP, England (formerly of flat 4/4, International House, Brook Hill Rd, Woolwich, London SE18 6RZ, England), have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 143778 for "A tendon hammer". The amendments are by way of explanation and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Chandra Bose Road, Calcutta-700 017 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Burlington Industries, Inc., a corporation organized under the laws of the State of Delaware, U.S.A., of 3330 West Friendly Avenue, Greensboro, State of North Carolina, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 144999 for "A method of forming a reactively dye polymeric substrate containing alcoholic hydroxyl groups". The amendments are by way of correction explanation or disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Chandra Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Badische Corporation, (formerly known as Dow Badische Company) a corporation organized and existing under the laws of the State of Delaware, United States of America, of Williamsburg, State of Virginia 23185, United States of America, have made an application under Section 57 of the Patent Act, 1970 for amendment of application form, specification, drawings and other formal documents of their application for patent No. 146424 for "Integral, electrically-conductive textile filament". The amendments are by way of correction of the name of the applicant which has been changed to "Badische Corporation". The application for amendment and the proposed amendments can be inspected free of charge of the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700 017 on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing of the said notice.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignment, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

125118.—... M/s. Pandrol Limited.

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

## No. Title of the invention

138312 (26-6-74) Improvements in or relating to preparation of electrolytic chromium powder.

138481 (27-9-72) Urea synthesis with improved heat recovery and conversion.

138491 (12-9-73) A process for the synthesis of 4-substituted aminomethyl 3, 4-dihydro-1-benzoxepin (2H)-5-ones.

138493 (10-1-73) Process for the preparation of organic compound containing a mercaptioethyl group.

138494 (10-1-73) Process for the preparation of aromatic 2-imino-1, 3-dihentane compounds.

138559 (2-11-72) Process for preparing novel monoazo reactive dyestuff.

138564 (20-10-74) Improvements in or relating to immersion deposition of nickel on mild steel for subsequent deposition of copper.

138566 (22-9-72) Production of terephthalic acid.

138597 (03-10-73) Improvements in or relating to the process of electrodeposition of bright zinc from acid bath.

138636 (5-3-75) Process for the preparation of novel immunoglobin.

138638 (20-2-73) Process for the preparation of nitrogen containing acrylic isoprenoid compounds.

138641 (7-7-73) Process for obtaining an immunological product containing antibodies effective to control intestinal infection.

138142 (22-10-73) A process for the production of comestible, digestible protein from cellulosic material.

138644 (10-12-73) Method of preparing 5(b) benzene ring substituted benzimidazole-2-carbamate derivatives having anthelmintic activity.

138645 (10-12-73) Method of preparing 5(b) benzene ring substituted benzimidazole-2-carbamate derivatives having anthelmintic activity.

138646 (14-6-74) Process for the preparation of trifluoromethylmercaptacetamido cephalosporin.

138661 (23-8-73) A process for the preparation of naphtha reforming catalyst.

138662 (25-1-74) Process for the production of 6- $\alpha$ -deoxy-tetra cycline.

138686 (25-5-73) Process for the polymerisation of olefins.

138689 (2-6-73) Method for the production of sintered magnesia.

138714 (8-4-75) Method for preparing antistaphylococcal human immune globulin.

## RENEWAL FEES PAID

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 134371 134383 134431 134490 134498 134507 135180 136191  
 136468 136577 136742 137020 138192 138211 138223 139494  
 139556 139796 140442 140694 140800 140967 141231 141351  
 141445 141604 142090 142287 142653 143014 143099 143230  
 143240 143593 144330 144540 144714 144827 144834 145264  
 145384 145514 145747 145881 145982 146005 146026 146038  
 146051 146075 146099 146173 146178 146196 146197 146215  
 146265

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 148300. Westend Industries, Rehmat Pura, Near Tala Factory, Hapur Road, Meerut-2, (U.P.), India, a partnership firm. "Nail Cutter", April 11, 1979.

Class 1. No. 148327. Westend Industries, Rehmat Pura, Near Tala Factory, Hapur Road, Meerut-2 (U.P.), India, a partnership firm. "Nail Cutter", April 17, 1979.

Class 1. No. 148409. Crown Industries, 421 Budhana Gate, Meerut-250002 (U.P.), India, a partnership firm, "Nail Cutters", May 3, 1979.

Class 1. No. 148426. Crown Industries, 421 Budhana Gate, Meerut-250002 (U.P.), India a partnership firm, Nail Cutters", May 7, 1979.

Class 3. No. 148225. Paragon Plastic Industries, Indian Proprietary Concern of A-78/1, Wazir Pur Industrial Area, Delhi-110052, an Indian National. "Basket", April 3, 1979.

Class 3. No. 148226. Paragon Plastic Industrial, Indian Proprietary Concern of A-78/1, Wazir Pur Industrial Area, Delhi-110052, an Indian National. "Basket", April 3, 1979.

Class 3. No. 148227. General Equipment Merchants Limited, 2/90, Connaught Circus, New Delhi-110001, India, an Indian Company. "Cigarette Lighter". April 3, 1979.

Class 3. No. 148228. General Equipment Merchants Limited, 2/90, Connaught Circus, New Delhi-110001, India, an Indian Company. "Cigarette Lighter". April 3, 1979.

Class 3. No. 148229. General Equipment Merchants Limited 2/89, Connaught Circus, New Delhi-110001, India, an Indian nationals. "Cigarette Lighter", April 3, 1979.

Class 3. No. 148230. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, India, manufacturers. "Cigarette Lighter", April 3, 1979.

Class 3. No. 148231. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, an Indian Company. "Cigarette Lighter", April 3, 1979.

Class 3. No. 148232. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, India, an Indian Company "Cigarette Lighter", April 3, 1979.

Class 3. No. 148233. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, India, an Indian national, "Cigarette Lighter", April 3, 1979.

Class 3. No. 148234. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, India, an Indian Company. "Cigarette Lighter", April 3, 1979.

Class 3. No. 148235. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, India, an Indian Company. "Cigarette Lighter", April 3, 1979.

Class 3. No. 148236. General Equipment Merchants Limited 2/90, Connaught Circus, New Delhi-110001, India, an Indian Company. "Cigarette Lighter", April 3, 1979.

Class 10. No. 148654. Monga Plastic Industries, Ram Nagar Colony, Shahjahanpur (U.P.), India, a proprietorship firm. Indian by Nationality. "Foot Wear", July 17, 1979.

DR. S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks.

